(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 7 October 2004 (07.10.2004)

PCT

(10) International Publication Number WO 2004/086517 A2

(51) International Patent Classification⁷: 31/108, 31/028, 31/18

H01L 31/07,

(21) International Application Number:

PCT/IB2003/006283

(22) International Filing Date:

23 December 2003 (23.12.2003)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data: TO2003A000228

27 March 2003 (27.03.2003) IT

- (71) Applicant (for all designated States except US): C.R.F. SOCIETÀ CONSORTILE PER AZIONI [IT/IT]; Strada Torino, 50, I-10043 Orbassano (Torino) (IT).
- (72) Inventor: and
- (75) Inventor/Applicant (for US only): PIZZI, Marco [IT/IT]; Lungo Po Antonielli 189, I-10100 Torino (IT).
- (74) Agents: NOTARO, Giancarlo et al.; c/o Buzzi, Notaro & Antonielli d'Oulx S.r.l., Via Maria Vittoria 18, I-10123 Torino (IT).

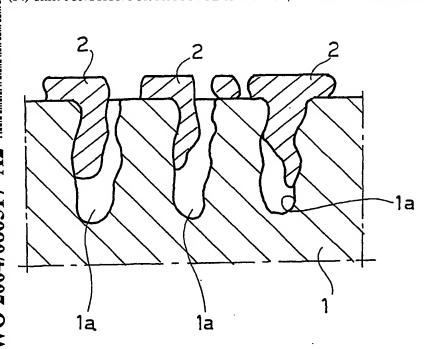
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: JUNCTION FOR PHOTOVOLTAIC CELLS, OPTICAL SENSORS OR THE LIKE



(57) Abstract: A junction for photovoltaic cells, optical sensors or the like comprises a microporous or nanoporous silicon layer and a metal or semiconductor layer deposited so as to fill at least partially the pores of the silicon layer.



